

Amendments to the Claims

IN THE CLAIMS:

1-14 Canceled

15. (New) A process for coding compressed video data streams relating to television programs to provide adapted video data streams, the process comprising:

extracting data relating to pictures of various programs not being viewed by a viewer from the compressed video data streams;

inserting the extracted data in the form of appended data into each of the compressed video data streams to obtain adapted video data streams for use when switching television programs; and

displaying said appended data corresponding to a desired program to the viewer in response to a received command to change the currently viewed television program.

16. (New) The process according to claim 15, wherein said extracting includes detecting pictures of an intra type in the compressed video data streams.

17. (New) The process according to claim 15, wherein said extracting includes detecting pictures of an inter type in the compressed video data streams.

18. (New) The process according to claim 15, further comprising processing the appended data to reduce the resolution of extracted images.

19. (New) The process according to claim 15, wherein said appended data includes complementary data.

20. (New) The process according to claim 19, wherein said complementary data includes at least one of a number of a program, a name of a program, a start and end time of a program in progress; a start and end time of a coming program, and a logo of a station broadcasting the program.

21. (New) A process for switching television programs comprising:
detecting program data of television programs other than a selected program;
storing the detected program data in the form of appended data;
selecting and decoding the stored appended data relating to a new program to be selected in response to a user command to view the new program; and
temporarily transmitting the decoded appended data to a display for user viewing while awaiting decoding and transmission of current data relating to the newly selected program.

22. (New) The process according to claim 21, wherein said step of detecting is performed from compressed video data streams relating to the television programs.

23. (New) The process according to claim 21, wherein said appended data is detected on the basis of pictures of intra type in the compressed video data stream.

24. (New) The process according to claim 21, wherein said appended data is detected on the basis of pictures of an inter type in the compressed video stream

25. (New) The process according to claim 21, wherein said appended data includes complementary data relating to at least one of the following: i) a number of a program; (ii) a name of a program; (iii) start and end time of a program in progress; (iv) start and end time of a coming program; and (v) the logo of the station broadcasting a program.

26. (New) The process according to claim 21, further comprising creating at least one of a mosaic and an interactive electronic program guide based on said appended data.

27. (New) The process according to claim 21, wherein said detected data stream is an MPEG 2 coded stream having data packets, wherein data packets relating to said appended data is temporarily transmitted.

28. (New) A device for switching a television program and eliminating delay between program selection comprising:

a detection circuit for detecting program data in received coded data streams of programs other than a selected program;

a storage device for storing the detected program data in the form of appended data;

a selection circuit for selecting the stored appended data based on a received command to display a new program;

a decoding circuit for decoding the selected appended data; and

a switching circuit receiving the decoded output of said decoding circuit and enabling a temporary switch over to the selected appended data for display.

29. (New) the device according to claim 28, wherein said appended data comprises data relating to images of available programs not currently being viewed.